

WHAT IS CLAIMED IS:

1. A reproducing device for playing back video data recorded on an information recording medium, comprising:

5 setting means for setting a reproduction speed of said video data depending upon a predetermined acceleration;

 readout means for reading out said video data from said information recording medium; and

10 generation means for combining a plurality of images of said video data read out by said readout means in accordance with said reproduction speed set by said setting means so as to generate an output image for high-speed playback.

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2. The reproducing device according to claim 1, wherein said generation means extracts and combines band-shaped parts from the number of images corresponding to said reproduction speed set by said setting means,
20 respectively, so as to generate said output image for said high-speed playback.

3. The reproducing device according to claim 1, wherein first video data at a high bit rate and second
25 video data at a lower bit rate than that of said first video data for a same material are recorded on said information recording medium; and

 said readout means reads out said second video data from said information recording medium.

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4. The reproducing device according to claim 3,

wherein said first and second video data are intermittently recorded on a physically same track of said information recording medium.

5 5. The reproducing device according to claim 3, wherein, at a transition from said high-speed playback using said second video data to low-speed playback using said first video data, an acceleration in accordance with time required to read out and decode said first video
10 data is calculated so as to perform deceleration at a deceleration corresponding to said calculated acceleration.

 6. The reproducing device according to claim 3,
15 wherein, at a transition from low-speed playback using said first video data to said high-speed playback using said second video data, an acceleration in accordance with time required to read out and decode said second video data is calculated so as to perform acceleration at
20 said calculated acceleration.

 7. The reproducing device according to claim 1, wherein, when acceleration and deceleration are terminated so as to perform normal-speed playback, a
25 screen has a fixed arrangement in accordance with a speed at the time, regardless of a process of said acceleration and deceleration.

 8. A reproducing method for playing back video data
30 recorded on an information recording medium, comprising the steps of:

setting a reproduction speed of said video data
depending upon a predetermined acceleration;

reading out said video data from said information
recording medium; and

5 combining a plurality of images of said video data
read out in said readout step in accordance with said
reproduction speed set in said setting step so as to
generate an output image for high-speed playback.

10 9. A recording medium on which a program readable by
a computer is recorded, said program being for playing
back video data recorded on an information recording
medium, said program comprising the steps of:

setting a reproduction speed of said video data
15 depending upon a predetermined acceleration;

reading out said video data from said information
recording medium; and

combining a plurality of images of said video data
read out in said readout step in accordance with said
20 reproduction speed set in said setting step so as to
generate an output image for high-speed playback.

10. A program for playing back video data recorded
on an information recording medium, said program making a
25 computer execute a process comprising the steps of:

setting a reproduction speed of said video data
depending upon a predetermined acceleration;

reading out said video data from said information
recording medium; and

30 combining a plurality of images of said video data
read out in said readout step in accordance with said

reproduction speed set in said setting step so as to generate an output image for high-speed playback.

11. A reproducing device for playing back video data
5 recorded on an information recording medium, comprising:

a controller for setting a reproduction speed of said video data depending upon a predetermined acceleration;

a drive for reading out said video data from said
10 information recording medium; and

a decoder for combining a plurality of images of said video data read out by said readout means in accordance with said reproducing speed set by said setting means so as to generate an output image for high-
15 speed playback.